

## TYPE, FIGURED AND MENTIONED FOSSIL PLANTS IN THE QUEENSLAND MUSEUM

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The Queensland Museum holds a small collection of plant megafossils. No palynological material is held in our collections. Most of the material referred to in this list was studied by Walkom (1924) in a paper on the Middle Triassic Esk flora. In total, seven new species of fossil plants have been described from the Museum's collections since 1911.

The material is catalogued taxonomically and the classification generally follows that of Scagel et al. (1965) and Pant (1957). Reference is made to specimens from the Museum's collection and only literature pertaining directly to those specimens is included in this list. While a comprehensive treatment of the literature concerning the Museum's material is intended, it is anticipated that there will be omissions. The author has generally avoided commenting about the taxonomic status of specimens unless it seemed expedient to do so.

Information for each specimen includes the Queensland Museum registration number, a list of chronologically arranged references, locality, and data on the age and formation from which the specimen was collected. The dating of formations follows that of Day et al. (1983). An alphabetically arranged index of taxonomic names allows reference to the specimens in this paper.

The types are treated in the same way as the other material. Nearly all specimens were labelled as types, the one exception being the partial counterparts of *Nilssonina superba* Walkom, 1924, that had been misplaced in the general collection. The holotype of *Chiropteris cuneata* (Carruthers) Seward 1903 was erroneously recorded as being in the Queensland Museum Collection (Tenison-Woods 1883; Feistmantel 1890). The specimen to which Tenison-Woods was probably referring has been included for the sake of completeness but the holotype is in the British Museum.

### Division ARTHROPHYTA Order EQUISETALES

#### *Lelstotheca* sp.

Reg. No.: F985.

*Annularia stellata* (Schloth.), in Walkom, 1916. pp. 233-4, pl. 25.

Loc.: 8 miles from Dunedoo, N S.W.

Fm.: ? Age: Permian.

Remarks: Walkom (1938) compared this specimen to *Phyllothea robusta* Feistmantel, 1880. *Phyllothea robusta* Feistmantel 1880 was combined in *Stellothea robusta* by Surange and Prakash (1962). The name *Stellothea* was found to be illegitimate under articles 64, 73 and 75 of the International Code of Botanical Nomenclature, and Maheshwari (1972) proposed the new genus *Lelstotheca* to accommodate plants previously referred to *Stellothea*. Surange and Prakash (1962) and Maheshwari (1974) have both commented on the similarity of F985 to *Stellothea* and *Lelstotheca* respectively.

The specimen figured by Walkom (1916) is similar to *Lelstotheca robusta* but differs in possessing a greater number of leaflets (18-20) per whorl. F985 is assigned to *Lelstotheca* sp. until a detailed study of the plant can be made.

#### *Neocalamites carrerei* (Zeiller) Halle, 1908

Reg. No.: F1487.

*Schizoneura* sp.a Seward, in Walkom, 1924. pp. 80-1.  
*Schizoneura* sp.a Seward, in Jones and de Jersey, 1947. p. 10.

*Neocalamites carrerei* (Zeiller) Halle, 1908, in Rigby, 1977. p. 320, 322.

Loc.: Near Portion 42, Wivenhoe Parish, Bellevue Station, near Esk. SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1533,

*Schizoneura* sp. Seward, 1908, in Hill *et al.*, 1965. Pl. Tl, 4.

Loc.: Portion 39, Wivenhoe Parish, Bellevue Station near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: F1533 is assignable to *Neocalamites carrerei* (Zeiller) Halle, 1908.

Reg. No.: F1535.

*Schizoneura* sp.a Seward, in Walkom, 1924. pp. 80-1, pl. 16, fig. 2.

*Schizoneura* sp.a Seward, in Jones and de Jersey, 1947. p. 10.

*Neocalamites carrerei* (Zeiller) Halle, 1908, in Rigby 1977. pp. 320, 322.

Loc.: Portion 39, otherwise as for F1487.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: Erroneously labelled F1533 in Walkom (1924).

Reg. No.: F1554.

*Schizoneura* sp.a Seward, in Walkom, 1924. pp. 80-1, pl. 16, fig. 1.

*Schizoneura* sp.a Seward, in Jones and de Jersey 1947. p. 10.

*Neocalamites carrerei* (Zeiller) Halle, 1908, in Rigby, 1977. pp. 320, 322.

Loc.: Portion 42 otherwise as for F1487.

Fm.: Esk Fm. Age: Middle Triassic.

*Neocalamites* sp. cf. *N. carrerei* (Zeiller) Halle, 1908.

Reg. No.: F2505.

*Neocalamites* cf. *carrerei* (Zeiller) Halle, in Hill *et al.*, 1965. pl. Tl, 3.

Loc.: Denmark Hill, Ipswich, SE.Q.

Fm.: Ipswich Coal Measures. Age: Early late Triassic (Carnian).

*Neocalamites hoerensis* (Schimper) Halle, 1908.

Reg. No.: F1485 a/b.

*Neocalamites hoerensis* (Schimper) in Walkom, 1924. p. 79, pl. 15, fig. 1.

*Neocalamites hoerensis* (Schimper) Halle, in Harris, 1931. pp. 22-5.

*Neocalamites hoerensis* (Schimper) Halle, 1908, in Rigby, 1977. p. 320.

Loc.: Portion 32, Northbrook Parish, Bellevue Station, Near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Phyllothea* sp.

Reg. No.: F1539 a/b/c.

*Schizoneura* cf. *africana* Feistm., in Walkom, 1924. pp. 79-80 text fig. 1.

*Phyllothea* sp., in Rigby, 1977. p. 320, 322.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Division LYCOPHYTA

Order PLEUROMEIALES

pleuromeiid rhizophore

Reg. No.: F12324.

pleuromeiid rhizophore in Turner, 1984. pp. 90-3, pl. 1. Loc.: The Crater, Rewan Station, 72 kms south of Rolleston, SE.Q.

Fm.: Arcadia Fm., Rewan Group. Age: Early Triassic.

Division PTEROPHYTA

Order MARATTIALES

Family MARATTIACEAE

*Asterotheca hillae* (Walkom) Herbst, 1977.

Reg. No.: F1566.

*Asterotheca hillae* (Walkom) Herbst, 1977. p. 7.

Loc.: Bellevue Station, via Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1579.

*Asterotheca hillae* (Walkom) Herbst, 1977, p. 7.

Loc.: Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1582. HOLOTYPE.

*Pecopteris* (?*Asterotheca*) *hillae* Walkom, 1924. pp. 82-4, pl. 17, fig. 1 A.B. 2-3.

*Pecopteris* (?*Asterotheca*) *hillae* Walkom, in Walkom, 1928. pp. 461-2.

*Asterotheca hillae* (Walkom) Herbst, 1977. pp. 6-7.

*Asterotheca hillae* (Walkom) Herbst, 1977, in Rigby, 1977. p. 320, 322.

Loc.: Bellevue Station, via Esk, Wivenhoe Parish, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1713.

*Asterotheca hillae* (Walkom) Herbst, 1977. p. 7.

Loc.: Portion 42, Wivenhoe Parish, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F3955 a/b.

'*Pecopteris*' (*Asterotheca*) *hillae* Walkom, 1924, in Hill *et al.*, 1965. pl. T3, fig. 4.

*Asterotheca hillae* (Walkom) Herbst, 1977. p. 6.

Loc.: Bryden, SE.Q.

Fm.: Bryden Beds. Age: Early to Middle Triassic.

#### ?Family MARATTIACEAE

*Ogmos adinus* Webb, 1983.

Reg. No.: F1481.

*Taeniopteris* (?*Danaeopsis*) *crassinervis* (Feistm.) in Walkom, 1924. pp. 84-5, pl. 18, fig. 2.

*Taeniopteris crassinervis* (Feistmantel) in Du Toit, 1927. pp. 350-1.

*Taeniopteris* cf. *crassinervis* (Feistmantel) Walkom, in Jones & de Jersey, 1947. p. 47.

*Taeniopteris crassinervis* (Feistmantel) Walkom, in Hill *et al.*, 1965. pl. T8, fig. 3.

*Taeniopteris crassinervis* (Feistmantel) Walkom, 1917, in Rigby, 1977. p. 321.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1530.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: As for F1481.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1558.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: As for F1481.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1562.

*Ogmos adinus* Webb, 1983, pp. 363-71, fig. 5b.

Loc.: As for F1481.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1566.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: As for F1481.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1577.

*Taeniopteris* (?*Danaeopsis*) *crassinervis* (Feistm.) in Walkom, 1924. pp. 84-5, pl. 18, fig. 1.

*Taeniopteris crassinervis* (Feistmantel) in Du Toit, 1927. pp. 350-1.

*Taeniopteris* cf. *crassinervis* (Feistmantel) Walkom, in Jones & de Jersey, 1947. p. 47.

*Taeniopteris crassinervis* (Feistmantel) Walkom, 1917, in Rigby, 1977. p. 321.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1578.

*Ogmos adinus* Webb, 1983. pp. 363-71.

Loc.: As for F1481.

Fm.: Esk Fm. Age: Middle Triassic.

#### Order FILICALES

##### Family DICKSONIACEAE

###### *Coniopteris* sp.

Reg. No.: F5693.

*Coniopteris* sp., in Hill *et al.*, 1966. pl. J2, fig. 2.

Loc.: Reynolds Creek, Portion 148, Fassifern Parish, SE.Q.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

Reg. No.: F5694.

*Coniopteris* sp., in Hill *et al.*, 1966. pl. J2, fig. 3.

Loc.: as for F5693.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

##### Family DIPTERIDACEAE

###### *Dictyophyllum davidii* Walkom, 1917.

Reg. No.: F1468.

*Dictyophyllum rugosum* L. & H. in Walkom, 1924. p. 82, pl. 21, fig. 1.

*Thaumatopteris rugosa* (Lindley & Hutton) Oishi & Yamasita, 1936. pp. 152-3.

*Dictyophyllum davidii* Walkom, 1917, in Rigby, 1977. pp. 320, 322.

*Dictyophyllum davidii* Walkom, 1917, in Herbst, 1979. pp. 13-4.

*Dictyophyllum davidii* Walkom, 1917, in Webb, 1982. pp. 85-9.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Hausmannia* (*Protorhipis*) sp. cf. *H.* (P.) *defarrariisii* Feruglio 1937.

Reg. No.: F2901.

*Hausmannia* (*Protorhipis*) sp. cf. *H.* (P.) *defarrariisii* Feruglio, 1937, in Herbst, 1979. pp. 18-9.

Loc.: Kleinton Clay Pit, via Toowoomba, SE.Q.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

Reg. No.: F2905 a/b.

*Hausmannia (Protorhipis)* sp. cf. *H. (P.) defarrariisii* Feruglio, 1937, in Herbst, 1979, pp. 18-9.

Loc.: Near Kalbar, Fassifern Parish, SE.Q.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

#### Family GLEICHENIACEAE

*Gleichenites wivenhoensis* Herbst, 1974.

Reg. No.: F6993 a/b. HOLOTYPE.

*Gleichenites wivenhoensis* Herbst, 1974, pp. 79-82, pl. 9, figs 7, 8, pl. 10, fig. 11, text figs. 1, 2.

Loc.: Northern side of Wivenhoe Hill, Parish of Wivenhoe, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F7006. PARATYPE.

*Gleichenites wivenhoensis* Herbst, 1974, pp. 79-82, text figs. 1, 2.

Loc.: As for F6992.

Fm.: Esk Fm. Age: Middle Triassic.

#### Family MATONIACEAE

*Phlebopteris alethopteroides* Etheridge fil. 1888.

Reg. No.: F1277.

*Phlebopteris alethopteroides* Etheridge fil., 1888, in Walkom, 1917, p. 8, pl. 9, fig. 2.

Loc.: Fassifern, SE.Q.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

Reg. No.: F1278.

*Phlebopteris alethopteroides* Etheridge fil., 1888, in Walkom, 1917, p. 8, pl. 10, fig. 1.

Loc.: As for F1277.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

#### Family OSMUNDACEAE

*Cladophlebis australis* (Morris) Seward, 1904.

Reg. No.: F1582.

*Cladophlebis australis* (Morris), in Walkom, 1924, p. 81, pl. 17, fig. 1E.

*Cladophlebis australis* (Morris) Seward, 1904, in Rigby, 1977, p. 320.

*Cladophlebis australis* (Morris) Walkom, in Herbst, 1978, pp. 5-12.

Loc.: Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Lobifolia dejerseyi* Retallack, 1977.

Reg. No.: F1473.

*Cladophlebis lobifolia* (Phillips), in Walkom, 1924, p. 81, text fig. 2.

*Lobifolia dejerseyi* Retallack, et al., 1977, pp. 88-9.

*Cladophlebis* sp. A, in Rigby, 1977, p. 320, 322.

*Cladophlebis lobifolia* (Phillips), in Herbst, 1978, pp. 19-20.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: Both Rigby (1977) and Herbst (1978) were unsure of the status of this material from the Esk Series. Retallack et al. (1977) proposed the new species *Lobifolia dejerseyi* to accommodate these specimens from the Esk Series and others from the Nymboida Coal Measures and the Gunnee Beds of New South Wales.

Reg. No.: F1544.

*Cladophlebis lobifolia* (Phillips), in Walkom, 1924, p. 81, pl. 15, fig. 2, text fig. 2.

*Lobifolia dejerseyi* Retallack et al., 1977, pp. 88-9.

*Cladophlebis* sp. A, in Rigby, 1977, p. 322.

*Cladophlebis lobifolia* (Phillips), in Herbst, 1978, pp. 19-20.

Loc.: Portion 24, Esk Parish, Bellevue Station, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: As for F1473.

#### Family SCHIZEACEAE

*Lygodium skottsbergii* Halle, 1940.

Reg. No.: F2820.

*Lygodium skottsbergii* Halle, 1940, in Hill et al., 1970, pl. Cz X1, fig. 1.

Loc.: Clay Pit, Dinmore, SE.Q.

Fm.: Redbank Plains Fm. Age: Paleocene.

Remarks: Specimen missing.

fern (aff. *Lygodium*)

Reg. No.: F9514.

fern (aff. *Lygodium*?) in Peters and Christophel, 1978, p. 3127, fig. 18.

Loc.: Lovell Downs Station, 50 kms NW of Winton, 22°12'00" S, 142°31'30" E, W.C.Q.

Fm.: Winton Fm. Age: Early late Cretaceous (Albian-Cenomanian).

## Filicales incertae sedis

*Chiropteris cuneata* (Carruthers) Seward, 1903.

Reg. No.: F12849.

*Cyclopteris cuneata* Carruthers, 1872, in Tenison-Woods, 1883, p. 109.

*Cyclopteris cuneata* Carruthers, 1872, in Feistmantel, 1890, p. 108.

Loc.: Tivoli Coal Mine, Ipswich SE.Q.

Fm.: Ipswich Coal Measures. Age: Early late Triassic (Carnian).

Remarks: Tenison-Woods (1883), and Feistmantel (1890) referring to Tenison-Woods (1883), recorded that the holotype of *Cyclopteris cuneata* was in the Brisbane (i.e. Queensland) Museum. However, Seward (1903) indicated that the holotype of *C. cuneata* is in the British Museum. The Queensland Museum specimen, Tenison-Woods is probably referring to is similar, but smaller and less well preserved than the holotype figured by Carruthers (1872). Dr C R. Hill (pers. comm.) has advised the author that a specimen V.4197 matching Carruthers original figure, although laterally reversed is in the British Museum (Natural History). F12849 was previously unregistered.

## Division PTERIDOSPERMOPHYTA

## Family CORYSTOSPERMACEAE

*Dicroidium zuberi* (Szajnocha) Archangelsky 1968 var. *feistmantelii* (Johnston) Gothan, 1912.

Reg. No.: F1468.

*Thinnfeldia feistmanteli* Johnston, in Walkom, 1924, pp. 81-2.

*Zuberia sahnii* Sew. sp., in Frenguelli, 1943, pp. 305-6. *Zuberia barreulensis* Frenguelli, 1944, pp. 20-3.

*Dicroidium feistmanteli* (Johnston) Gothan, 1912, in Townrow, 1957, pp. 39-41.

*Dicroidium feistmantelii* (Johnston) Gothan, 1912, in Rigby, 1977, p. 320.

*Dicroidium zuberi* (Szajnocha) Archangelsky 1968 var. *feistmantelii* (Johnston) Retallack 1977, p. 272, frames 115 - 116.

Loc.: Portion 42, Wivenhoe Parish, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1472.

*Thinnfeldia feistmanteli* Johnston, in Walkom, 1924, pp. 81-2.

*Zuberia sahnii* Sew. sp., in Frenguelli, 1943, pp. 305-6. *Zuberia barreulensis* Frenguelli, 1944, pp. 20-3.

*Dicroidium feistmanteli* (Johnston) Gothan, 1912, in Townrow, 1957, pp. 39-41.

*Dicroidium feistmantelii* (Johnston) Gothan, 1912, in Rigby, 1977, p. 320.

*Dicroidium zuberi* (Szajnocha) Archangelsky 1968 var. *feistmantelii* (Johnston) Retallack 1977, p. 272, frames 115 - 116.

Loc.: Bellevue, via Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: Specimen missing.

Reg. No.: F1582.

*Thinnfeldia feistmanteli* Johnston, in Walkom, 1924, pp. 81-2, pl. 17, fig. 1, f.

*Zuberia sahnii* Sew. sp., in Frenguelli, 1943, pp. 305-6. *Zuberia barreulensis* Frenguelli, 1944, pp. 20-3.

*Dicroidium feistmanteli* (Johnston) Gothan, 1912, in Townrow, 1957, pp. 39-41.

*Dicroidium antevsiana* (Johnston) Gothan, 1912, in Anderson and Anderson, 1970, Chart 9.

*Dicroidium feistmantelii* (Johnston) Gothan, 1912, in Rigby, 1977, p. 320.

*Dicroidium zuberi* (Szajnocha) Archangelsky 1968 var. *feistmantelii* (Johnston) Retallack 1977, p. 272, frames 115 - 116.

Loc.: as for F1468.

Fm.: Esk Fm. Age: Middle Triassic.

*Dicroidium odontopteroides* (Morris) Gothan, 1912.

Reg. No.: F1472.

*Thinnfeldia lancifolia* (Morris), in Walkom, 1924, p. 82.

*Dicroidium odontopteroides* (Morris) Gothan, 1912, in Townrow, 1957, pp. 33-9.

Loc.: Portion 42, Wivenhoe Parish, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: Specimen missing.

Reg. No.: F1546.

*Thinnfeldia lancifolia* (Morris), in Walkom, 1924, p. 82.

*Dicroidium odontopteroides* (Morris) Gothan, 1912, in Townrow, 1957, pp. 33-9.

Loc.: Portion 24, Esk Parish, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Pteruchus africanus* Thomas, 1933.

Reg. No.: F954.

*Stachyopitys annularoides* Shirley, in Walkom, 1917, p. 13, pl. 4, fig. 6.

*Pteruchus* (*Stachyopitys*) *annularoides* in Thomas, 1933, p. 234, 241.

*Pteruchus africanus* Thomas, 1933 in Townrow, 1962, p. 297.

Loc.: Nundah, Brisbane, SE.Q.  
Fm.: Ipswich Coal Measures. Age: Early late Triassic (Carnian).

*Umkomasia* sp.

Reg. No.: F1582.  
gymnospermous seed in Walkom, 1924. p. 90, pl. 17. fig. 1D.  
Loc.: Portion 42, Wivenhoe Parish, near Esk, SE.Q.  
Fm.: Esk Fm. Age: Middle Triassic.  
Remarks: The cupulate form and branching habit of this fructification indicates that it belongs to the Crystospermaceae. It represents the first crystospermacid fructification to be recognized from the Esk Series and is tentatively referred to *Umkomasia* sp.

Family PELTASPERMACEAE

*Lepidopteris stormbergensis* (Seward) Townrow, 1956.

Reg. No.: F1583.  
*Thinnfeldia lancifolia* (Morris), in Walkom, 1924. p. 82, pl. 15, fig. 3.  
*Dicroidium odontopteroides* (Morris) Gothan, in Townrow, 1957. pp. 33-9.  
*Dicroidium lancifolia* (Morris) Gothan, 1912, in Anderson & Anderson, 1970. Chart 9.  
*Lepidopteris stormbergensis* (Seward) Townrow, 1956, in Rigby, 1977. pp. 320, 322.  
Loc.: Bellevue Station, near Esk, SE.Q.  
Fm.: Esk Fm. Age: Middle Triassic.  
Remarks: Specimen missing.

Reg. No.: F1580.  
? *Sphenopteris pecten* Halle, in Walkom, 1924. p. 86.  
*Dicroidium superbum* (Shirley) Townrow 1957, in Retallack *et al.*, 1977. p. 95.  
*Lepidopteris stormbergensis* (Seward) Townrow, 1956, in Rigby, 1977. pp. 320, 322.  
Loc.: Portion 42, Esk Parish, Bellevue Station, near Esk, SE.Q.  
Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1551.  
(?) *Sphenopteris superba* Shirley, in Walkom, 1924. p. 86.  
*Dicroidium superbum* (Shirley) Townrow, 1957, in Retallack *et al.*, 1977. p. 95.  
*Lepidopteris stormbergensis* (Seward) Townrow, 1956, in Rigby, 1977. pp. 320, 322.  
Loc.: as for F1580.  
Fm.: Esk Fm. Age: Middle Triassic.

Division CYCADOPHYTA  
Order CYCADALES

*Nilssonia mucronatum* (de Vis) Walkom, 1916.

Reg. No.: F967. HOLOTYPE.  
*Pterophyllum mucronatum* de Vis, 1911. pp. 2-3, pl. 2, figs. 1, 2.  
*Nilssonia mucronatum* (de Vis) Walkom, 1916. pp. 231-2, pl. 24, figs. 1-3.  
*Nilssonia mucronatum* (de Vis) Walkom, 1916, in Walkom, 1919. pp. 34-5, pl. 6, figs. 1-3.  
Loc.: O'Connell Creek, Wyangarie Station, south of Richmond, C.Q.  
Fm.: Allaru Mudstone. Age: Early Cretaceous (Albian).  
Remarks: The precise locality for this specimen is unknown. Wyangarie Station presumably refers to Wyangarie run, part of the Richmond Downs holdings in the 1890's. Old Wyangarie Homestead in 1896 was situated approximately 5 kms southeast of Richmond. The modern Wyangarie homestead is about 25 kms west-northwest of Richmond. The holotype of *Nilssonia mucronatum* is figured here (Pl. 1, Fig. 2).

*Pseudoctenis eathiensis* (Richards) Seward, 1911.

Reg. No.: F1486 a/b.  
*Pseudoctenis eathiensis* (Richards), in Walkom, 1924. p. 88, pl. 19, fig. 2.  
*Pseudoctenis eathiensis* (Richards) Seward, 1911, in Rigby, 1977. p. 321.  
Loc.: Portion 24, Esk Parish, Bellevue Station, near Esk, SE.Q.  
Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1471.  
*Pseudoctenis eathiensis* (Richards), in Walkom, 1924. p. 88.  
*Pseudoctenis eathiensis* (Richards) Seward, 1911, in Rigby, 1977. p. 321.  
Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.  
Fm.: Esk Fm. Age: Middle Triassic.

Order BENNETTITALES

*Pterophyllum nathanii* Walkom, 1924.

Reg. No.: F1479 a/b. SYNTYPE.  
*Pterophyllum nathanii* Walkom, 1924. pp. 87-8, pl. 20. fig. 2.  
*Pterophyllum nathanii* Walkom, 1924, in Hill *et al.*, 1965. pl. T7, fig. 2.

*Pterophyllum nathanii* Walkom, 1924, in Rigby, 1977. p. 321.

Loc.: Bellevue Station, Wivenhoe Parish, via Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1480. SYNTYPE.

*Pterophyllum nathanii* Walkom, 1924. pp. 87-8, pl. 20, fig. 1.

*Pterophyllum nathanii* Walkom, 1924, in Rigby, 1977. p. 321.

Loc.: As for F1479.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: 1583.

*Taeniopteris* (?*Danaeopsis*) *crassinervis* (Feistm.) in Walkom, 1924. pp. 84-5, pl. 18, fig. 3.

*Taeniopteris crassinervis* (Feistmantel), in Du Toit, 1927. pp. 350-1.

*Taeniopteris* cf. *crassinervis* (Feistmantel) Walkom, in Jones & de Jersey, 1947. p. 47.

*Taeniopteris lenticuliforme* (Etheridge jr) Walkom, 1917, in Rigby, 1977. p. 321.

Loc.: Portion 24, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

### Cycadophyta Incertae sedis

*Taeniopteris* sp. cf. *T. lata* Oldham & Morris, 1863.

Reg. No.: F1463 a/b/c. HOLOTYPE.

(?*Nilssonia*) *superba* Walkom, 1924. pp. 86-7, pl. 19, fig. 1.

*Taeniopteris* sp. cf. *T. lata* Oldham & Morris, 1863, in Rigby, 1977. p. 321, 324.

Loc.: Bellevue Station, via Esk, Wivenhoe Parish, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Taeniopteris lenticuliforme* (Etheridge fil.) Walkom, 1917.

Reg. No.: F12783.

*Taeniopteris carruthersi* Tenison Woods, in Walkom, 1924. p. 85, text fig. 3.

*Taeniopteris carruthersi* Tenison Woods, 1883 in Retallack et al., 1977. pp. 102-3.

*Taeniopteris lenticuliforme* (Etheridge jr) Walkom, 1917, in Rigby, 1977. p. 321, 324.

Loc.: Portion 32, Northbrook Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: The registration number F1486 was allocated to two specimens mentioned by Walkom (1924). To avoid possible confusion this specimen is re-registered as F12783.

Reg. No.: F1547.

*Taeniopteris tenison-woodsii* Etheridge Jr., in Walkom, 1924. p. 86.

*Taeniopteris lenticuliforme* (Etheridge jr) Walkom, 1917, in Rigby, 1977. p. 321, 324.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

### Order PENTOXYLEALES

#### pentoxylalean-like trunk

Reg. No.: F7078.

pentoxylalean-like trunk in Gould and Shibaoka, 1980. p. 16, 18, 20, fig. 7h.

Loc.: Miles, SE.Q.

Fm.: Walloon Coal Measures. Age: Middle Jurassic.

### Division GINKGOPHYTA

#### Order GINKGOALES

*Ginkgoites bidens* (Tenison-Woods) Florin, 1936.

Reg. No.: F1470.

*Baiera bidens* Tenison-Woods, in Walkom, 1924. p. 90, pl. 21, fig. 2.

*Baiera bidens* (Ten.-Woods) Feistm. in Frenguelli, 1946. pp. 108-9.

*Ginkgoites bidens* (Tenison-Woods) Florin, 1936, in Rigby, 1977. p. 321.

Loc.: Portion 42, Wivenhoe Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

probably *Ginkgo digitata* (Brongniart) Heer, 1877.

Reg. No.: F1553.

*Ginkgoites sibirica*? Heer, in Walkom, 1924. pp. 88-9, pl. 21, fig. 4.

*Ginkgoites* (?) *sibirica* Heer, in Walkom, 1928. p. 466.

probably *Ginkgo digitata* (Brongniart) Heer, 1887, in Rigby, 1977. p. 321, 324.

Loc.: Portion 24, Esk Parish, Bellevue Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: Specimen missing.



*Ginkgoites simmondsi* (Shirley) Florin, 1936.

Reg. No.: F1488.

*Baiera simmondsi* (Shirley), in Walkom, 1924. p. 90.  
*Ginkgoites simmondsi* (Shirley) Florin, 1936, in Rigby,  
1977. p. 321.

Loc.: Portion 24, Esk Parish, Bellevue Station,  
near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

*Ginkgoites* sp.

Reg. No.: F1469.

*Ginkgoites* sp., in Walkom, 1924. p. 89, pl. 21, fig. 3B.  
Loc.: Portion 42, Wivenhoe Parish, Bellevue  
Station, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1582.

*Ginkgoites* sp., in Walkom, 1924. p. 92, pl. 17, fig. 1C.  
Loc.: Wivenhoe Parish, Bellevue Station, near  
Esk SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Reg. No.: F1321. HOLOTYPE.

*Noeggerathiopsis tryoni* Shirley, 1920. pp. 82-3.  
fragmentary *Ginkgo* or *Baiera*, in Walkom, 1921. p.  
375.

Loc.: Petrie's Quarry, Albion SE.Q. Fm.:  
Ipswich Coal Measures. Age: Early Late Triassic  
(Carnian).

Remarks: The International Code of Botanical  
Nomenclature 1972, p. 42, Art. 38 states that  
after the 1 Jan. 1912 the description of a new  
taxon of fossil plants must be accompanied by a  
figure or illustration. Shirley's description of  
*Noeggerathiopsis tryoni* was not accompanied by  
a figure and is therefore invalid. The specimen is  
figured herein (Pl. 1, Fig. 1). It is referable to  
*Ginkgoites* sp.

Reg. No.: F1475.

*Phoenicopsis elongatus* (Morris), in Walkom, 1924. p.  
90.

*Phoenicopsis elongatus* (Morris) Seward, 1903, in  
Rigby, 1977. p. 321.

Loc.: Portion 42, Wivenhoe Parish, Bellevue  
Station, near Esk, SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: The status of leaves previously referred  
to *Podozamites* and *Phoenicopsis* has been  
discussed by Retallack (1981). He erected the  
genus *Heidiphyllum* to accommodate these  
leaves. The leaves referred to *Phoenicopsis* by  
Walkom (1924) are poorly preserved and while it

is difficult to assign them confidently to any  
taxon, they appear to have affinities with the  
Ginkgoales. F1475 is tentatively referred to  
*Ginkgoites* sp.

#### Division CONIFEROPHYTA

#### Order CONIFERALES

#### Family ARAUCARIACEAE

araucarian (?) cone

Reg. No.: F9573.

araucarian (?) cone in Peters & Christophel, 1978. p.  
3127, fig. 17.

Loc.: Lovell Downs Station 50 kms NW of  
Winton, 22°12'00'S and 142°31'30'E, W.C.Q.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).

#### Family PODOCARPACEAE

*Podocarpus* (sect. *Dacrycarpus*) sp.

Reg. No.: F2833.

*Podocarpus* (sect. *Dacrycarpus*) sp., in Selling, 1950.  
p. 555, 561. pl. 2, fig. 15.

Loc.: Clay Pit, Dinmore, SE.Q.

Fm.: Redbank Plains Fm. Age: Paleocene.

#### Family TAXODIACEAE

*Austrosequoia wintonensis* Peters & Christophel,  
1978.

Reg. No.: F9509. HOLOTYPE.

*Austrosequoia wintonensis* Peters & Christophel, 1978.  
pp. 3119-28, fig. 2, 6, 13c.

Loc.: Lovell Downs Station, 50 kms NW of  
Winton, 22°12'00'S, 142°31'30'E, W.C.Q.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).

Reg. No.: F9510. PARATYPE.

*Austrosequoia wintonensis* Peters & Christophel, 1978.  
pp. 3119-28, fig. 3, 6, 13c.

Loc.: As for F9509.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).

Reg. No.: F9511. PARATYPE.

*Austrosequoia wintonensis* Peters & Christophel, 1978.  
pp. 3119-28, figs. 4, 5, 6, 13c.

Loc.: As for F9509.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).



Reg. No.: F9512, PARATYPE.

*Austrosequoia wintonensis* Peters & Christophel, 1978.  
pp. 3119-28, figs. 6, 7, 13c.

Loc.: As for F9509.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).

#### Family VOLTZIAACEAE

*Heidiphyllum elongatum* (Morris), Retallack,  
1981

Reg. No.: F1469.

*Podozamites lanceolatus* (?) (Lindley & Hutton), in  
Walkom, 1924. p. 88, pl. 21, fig. 3A.

Loc.: Portion 42, Wivenhoe Parish, near Esk.

Fm.: Esk Fm. Age: Middle Triassic.

Remarks: See remarks for *Phoenicopsis elongatus*. The '*Podozamites*' leaves figured by Walkom (1924) are probably young leaves of *Heidiphyllum elongatum* (Morris) Retallack 1981.

Coniferales incertae sedis  
gymnospermous seed

Reg. No.: F1469.

gymnospermous seed in Walkom, 1924. p. 90, pl. 21,  
fig. 3C.

Loc.: Portion 42, Wivenhoe Parish, near Esk,  
SE.Q.

Fm.: Esk Fm. Age: Middle Triassic.

#### Division ANTHOPHYTA

#### Class DICOTYLEDONAE

#### Order MYRTALES

#### Family MYRTACEAE

cf. *Eucalyptus resinifera* Smith 1790

Reg. No.: F6990.

cf. *Eucalyptus resinifera*, in Wood, 1972, p. 331.

Loc.: Maroochydore, 175 feet south of BM19418,  
two miles west, of the present coastline and the  
mouth of the Maroochy River and 475 feet  
southwest of the Maroochydore River, SE.Q.

Fm.: Age: Holocene.

? *Eucalyptus* sp.

Reg. No.: F2866

? *Eucalyptus* sp., in Hill et al., 1970. pl. Cz 12, fig. 6.

Loc.: Clay Pit, Dinmore, SE.Q.

Fm.: Redbank Plains Fm. Age: Paleocene.

#### Dicotyledonae Incertae sedis

#### dicotyledonous leaves

Reg. No.: F2823.

dicotyledonous leaves, in Hill et al., 1970. pl. Cz 12, fig.  
1.

Loc.: Clay Pit, Dinmore SE.Q.

Fm.: Redbank Plains Fm. Age: Paleocene.

Reg. No.: F6553.

dicotyledonous leaves, in Hill et al., 1970. pl. Cz 12, fig.  
2.

Loc.: As for F2823.

Fm.: Redbank Plains Fm. Age: Paleocene.

#### angiosperm leaf

Reg. No.: F9515.

angiosperm leaf, in Peters and Christophel, 1978. p.  
3127, fig. 19.

Loc.: Lovell Downs Station, 50 kms NW of  
Winton, 22°12'00"S, 142°31'30"E.

Fm.: Winton Fm. Age: Early late Cretaceous  
(Albian-Cenomanian).

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Mr J.T. Woods (Director of the Queensland Museum, 1960-68) compiled unpublished lists of all the type, figured and mentioned material held in our palaeontological collections to about 1965. These lists are held in the Queensland Museum Library and were referred to during the preparation of this list.

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- 

## PLATE I

FIG. 1. Holotype of '*Noeggerathiopsis tryoni* Shirley, 1920' (X 1.5).

FIG. 2. Holotype of *Nilssonina mucronatum* (De Vis) Walkom, 1916 (X 1).  
1.

